

EXCAVATION NOTES:

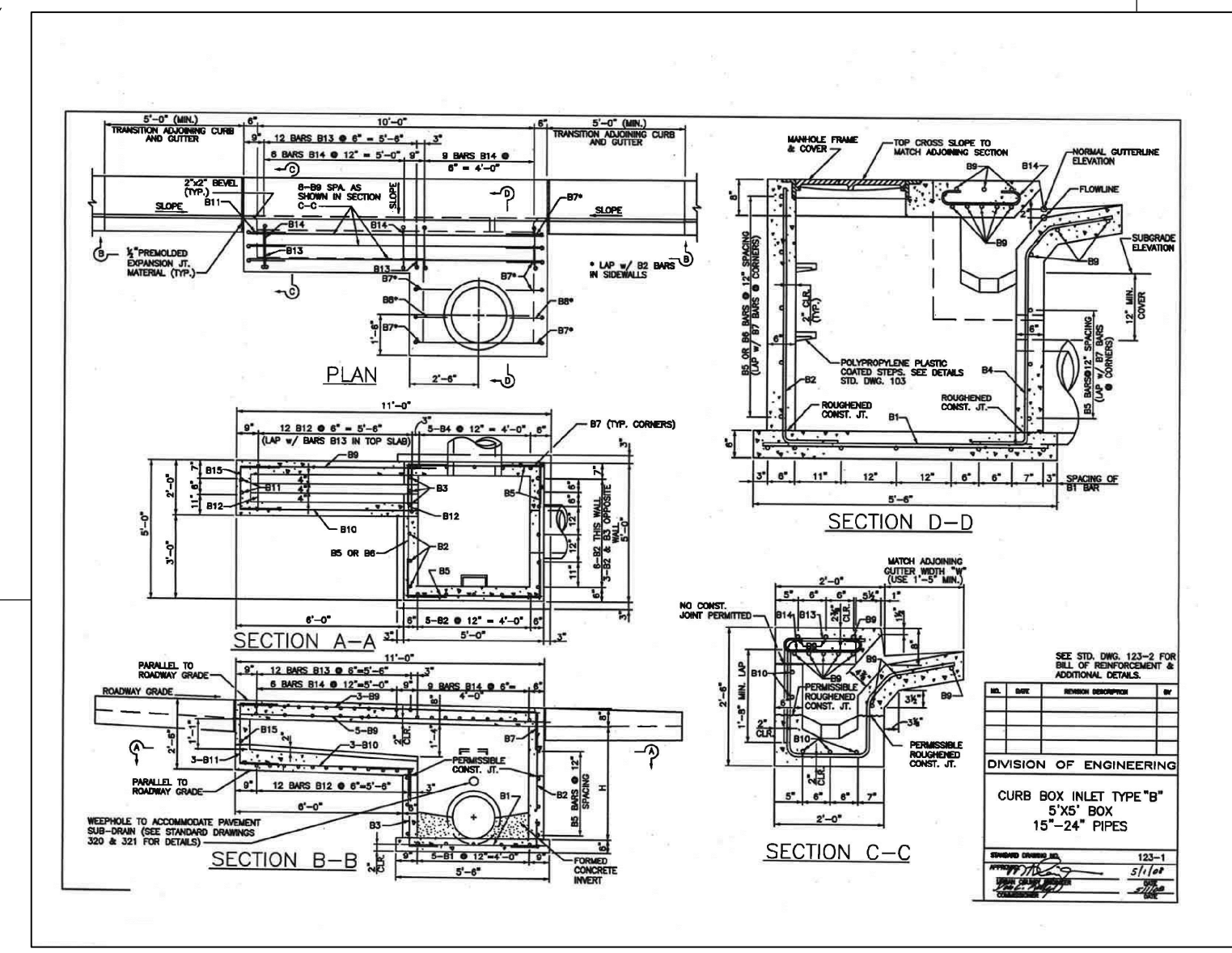
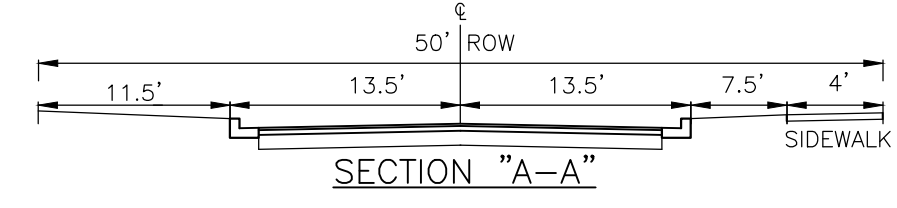
1. ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS WILL ENSURE AGAINST REMOVING OR LOOSENING ANY MATERIAL OUTSIDE THE REQUIRED SLOPES. SLOPES SHALL BE SHAPED TO REASONABLY CLOSE CONFORMITY WITH THE LINES SHOWN ON THE PLANS, WITH NO DEVIATIONS THEREFROM READILY DISCERNIBLE.
2. DISPOSAL OF UNSUITABLE MATERIALS: EXCAVATED MATERIALS SHALL BE PLACED AND COMPACTED TO 98% STANDARD PROCTOR IN THE PARKING AREAS TO THE LINES AND GRADES SHOWN ON THE PLANS. EXCAVATED MATERIALS WHICH ARE UNSUITABLE FOR BACKFILLING OR SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE OF OPERATIONS AS SOON AS EXCAVATED. ALL EXCAVATED MATERIALS SO REMOVED SHALL BE DISPOSED OF, AT NO ADDITIONAL COST TO THE OWNER, ON PROPERTY FOR WHICH THE CONTRACTOR HAS MADE PRIOR ARRANGEMENTS.
3. NO UNSUITABLE MATERIALS OR ROCK FILL SHALL BE BURIED ON SITE.
4. PROPOSED GRADES SHOWN ARE FINISH GRADE ELEVATIONS.

GENERAL NOTES:

1. AREAS THAT WILL SUPPORT PAVEMENTS, OR NEW ENGINEERED FILL SHALL BE PROPERLY COMPACTED TO 98% STANDARD PROCTOR. THE PARKING AREAS SHALL BE COMPACTED TO 98% STANDARD PROCTOR OR AS RECOMMEND BY THE GEOTECHNICAL ENGINEER. ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED. UNSUITABLE MATERIALS INCLUDE FROZEN SOIL, SOFT UNSUITABLE MATERIAL AND MISCELLANEOUS FILL OR ANY CLASSIFIED AS UNSUITABLE BY THE ENGINEER.
2. PRIOR TO CONSTRUCTION OR THE PLACEMENT OF NEW ENGINEERED FILL, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER. THE EVALUATION SHALL INCLUDE PROOF ROLLING OF THE EXPOSED SUBGRADE. IF UNSUITABLE MATERIALS ARE DISCLOSED, AN APPROPRIATE REMEDIAL MEASURE WILL BE RECOMMENDED BY THE GEOTECHNICAL ENGINEER AT THAT TIME.
3. CARE MUST BE EXERCISED DURING GRADING AND FILL PLACEMENT OPERATIONS. THE COMBINATION OF CONSTRUCTION TRAFFIC AND EXCESS SURFACE MOISTURE CAN CAUSE PUMPING AND DETRIORATION OF THE NEAR SURFACE SOILS. THE SEVERITY OF THIS POTENTIAL PROBLEM DEPENDS TO A GREAT EXTENT ON THE WEATHER CONDITIONS PREVAILING DURING CONSTRUCTION. THE CONTRACTOR MUST EXERCISE DISCRETION WHEN SELECTING EQUIPMENT SIZES AND ALSO MAKE A CONCERNED EFFORT TO CONTROL SURFACE WATER WHILE THE SUBGRADE SOILS ARE EXPOSED. IF SUCH PROBLEMS DO ARISE, THE ENGINEER SHOULD BE CONTACTED TO EVALUATE THE CONDITION.
4. ENGINEERED FILL PLACEMENT AND COMPACTION OPERATIONS SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE. FIELD DENSITY TESTS MUST BE PERFORMED ON EACH LIFT AS SPECIFIED TO VERIFY THAT THE SPECIFIED COMPACTION IS BEING ACHIEVED.
5. THE ON SITE SOILS MAY NOT BE SUITABLE TO USE AS ENGINEERED FILL MATERIAL. STANDARDIZING PROCTOR TESTS MAY BE RUN ON EACH OF THE ON SITE MATERIALS PRIOR TO CONSTRUCTION.
6. COMPACTION OF ANY FILL BY FLOODING SHALL NOT BE PERMITTED. DURING WET AND RAINY PERIODS, AERATION IS OFTEN NECESSARY TO BRING THE FILL MATERIALS TO THE REQUIRED MOISTURE CONDITION. DURING, DRY PERIODS, WATER MAY NEED TO BE ADDED TO BRING THE SOILS UP TO THE PROPER MOISTURE CONTENT FOR COMPACTION. THE ON SITE CLAY SOILS MAY REQUIRE AERATION EVEN DURING DRY PERIODS. FILL MATERIAL SHALL NOT BE PLACED OVER FROZEN OR SATURATED MATERIALS, EITHER NATURAL OR FILLED.
7. TOPSOILING AND GRASSING OF THE SITE SHALL BE COMPLETED AS SOON AS POSSIBLE AFTER GRADING IS FINISHED. NO AREAS SHALL BE LEFT BARE FOR LONGER THAN TWO (2) WEEKS. IF FINAL TOPSOILING AND GRASSING CAN NOT BE DONE IN THIS TIME PERIOD, TEMPORARY SEEDING SHALL BE PROVIDED AS DESCRIBED IN THE EROSION CONTROL NOTES.
8. WORK SHALL NOT BEGIN UNTIL A LAND DISTURBANCE PERMIT IS OBTAINED FROM GEORGETOWN PLANNING AND ZONING ENGINEER.

- PROPOSED PAVEMENT
- 1.5" BITUMINOUS ASPHALT SURFACE
- 3" BITUMINOUS ASPHALT BINDER
- 9" COMPACTED DGA

NOTE: THE ABOVE IS THE MINIMUM PAVEMENT DESIGN. THE PAVEMENT DESIGN SHALL BE BASED ON CBR'S AND THE GSCPC STREET DESIGN STANDARDS.



LEGEND

⊕ WATER VALVE / METER	— e — EXISTING OVERHEAD ELECTRIC
● UTILITY POLE	— GAS — EXISTING GAS LINE
⊙ SANITARY SEWER MANHOLE	— — EXISTING 1' CONTOUR
⊙ STORM SEWER MANHOLE	— 805 — EXISTING 5' CONTOUR
● 1/2" IRON PIN w/CAP FOUND	— — EXISTING FENCE
⊙ EXISTING TREE	— — PROPERTY LINE
★ EXISTING LIGHT POLE	— v — EXISTING WATER LINE
	— 899 — PROPOSED FINISH 1' CONTOUR
	— 890 — PROPOSED FINISH 5' CONTOUR

NOTE: GRADE CONTOURS AND SPOT ELEVATIONS ARE FOR FINISHED CONDITIONS.

GRAPHIC SCALE: 1" = 20'



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GRADING PLAN
HOWARD PROPERTIES, LLC
 50' DEDICATED RIGHT-OF-WAY
 200 BLOSSOM PARK DR, GEORGETOWN, KENTUCKY

SCALE: 1" = 20'
 DATE: 03-01-2018
 PROJECT: 9316-001
 DESIGNED: FRE
 DRAWN: KMF
 CHECKED: FRE
 ENGINEER'S SEAL

 SHEET
SD3.1